

Fractions

FRACTIONS

Learning Outcome

I can...

- * explain what a fraction is.
- * explain what the denominator of a fraction is and find the denominator of a fraction.
- * explain what the numerator of a fraction is and find the numerator of a fraction.
- * write a fraction.

WHAT IS A FRACTION?

- When an object is divided into a number of **equal** parts then each part is called a fraction

2

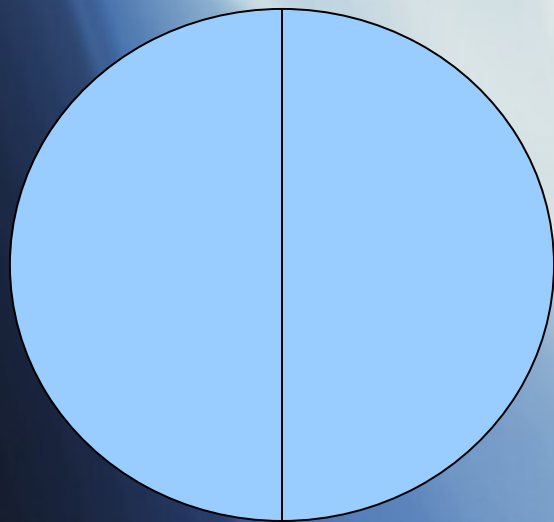
3

← numerator

← denominator

Denominator

The denominator says how many **equal** parts in the **whole** object

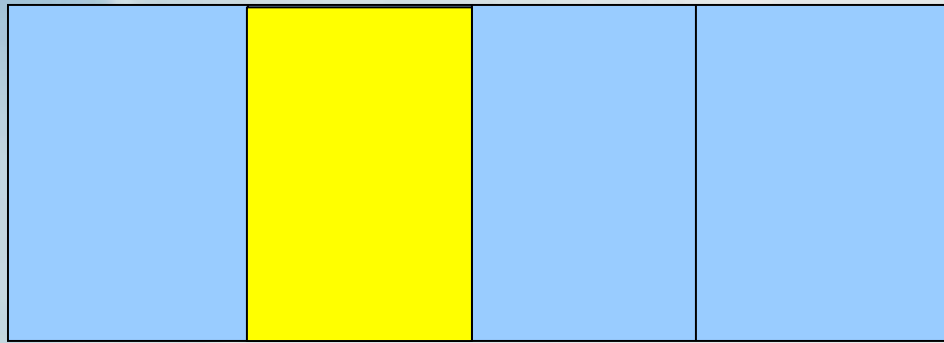


→ 2 equal parts →

1

2

How many equal parts are there in this shape?

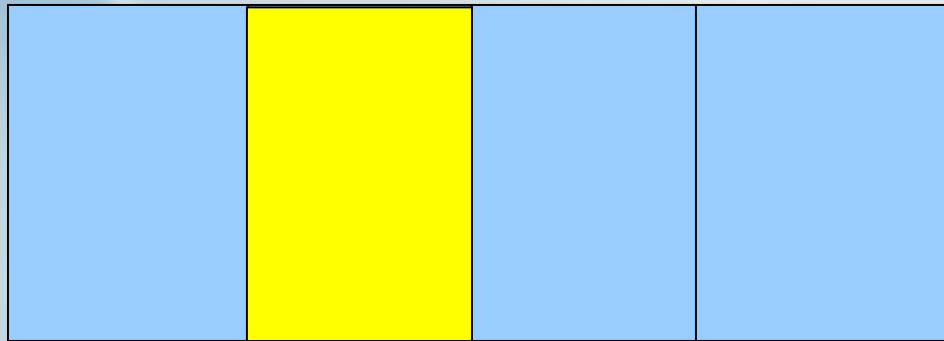


What is the denominator of this fraction?

1



How many equal parts are there in this shape?

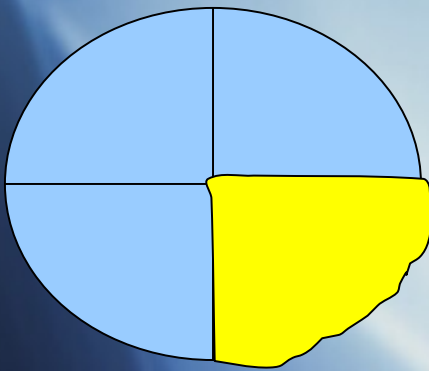


What is the denominator of this fraction?

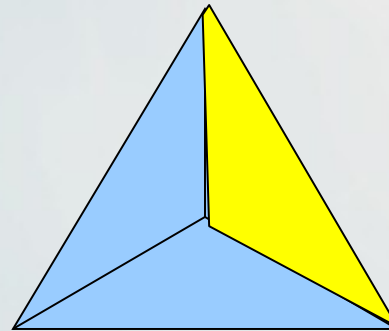
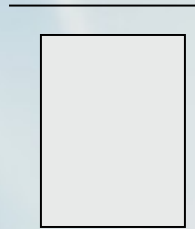
1

4

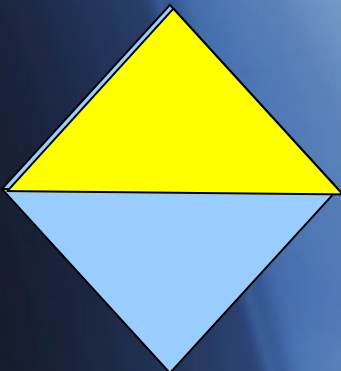
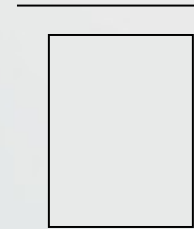
Find the denominators of these fractions



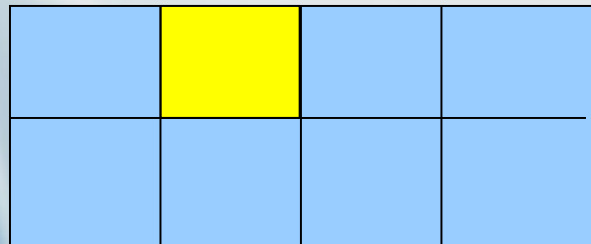
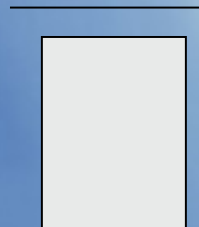
1



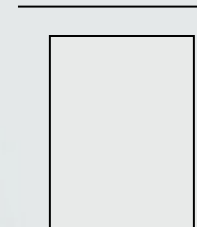
1



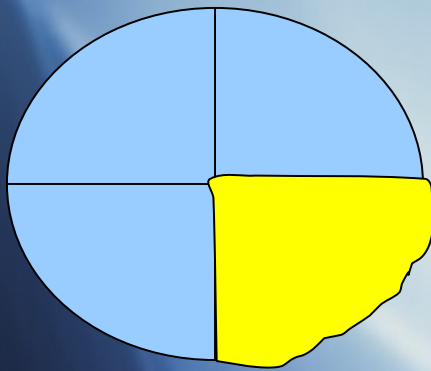
1



1

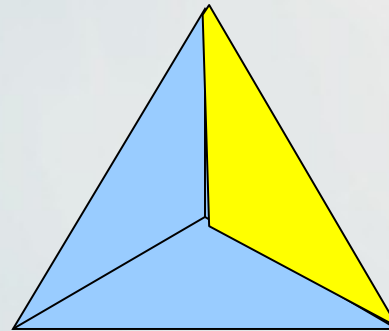


Find the denominators of these fractions



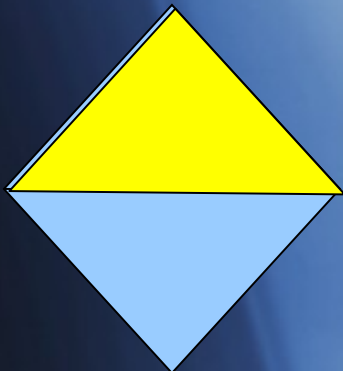
1

4



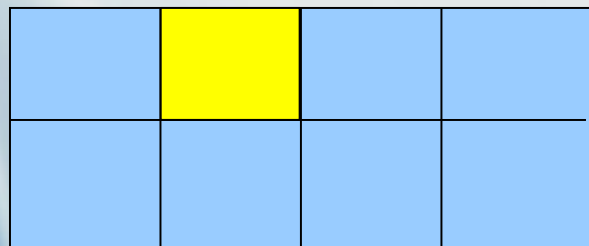
1

3



1

2



1

8

Draw what you think these fractions look like.

$$\frac{1}{6}$$

$$\frac{1}{3}$$

$$\frac{1}{4}$$

$$\frac{1}{10}$$

6

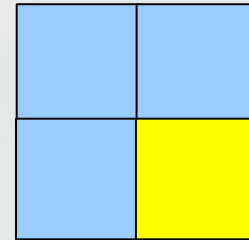
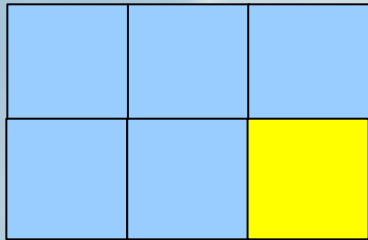
3

4

10

Draw what you think these fractions look like.

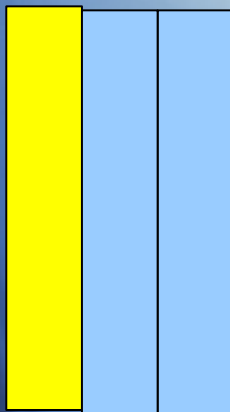
1



1

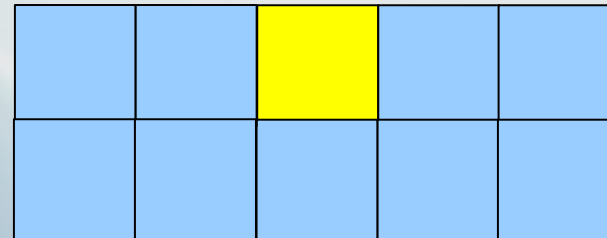
6

1



4

1



10

So, the denominator (on the bottom of a fraction) tells us...

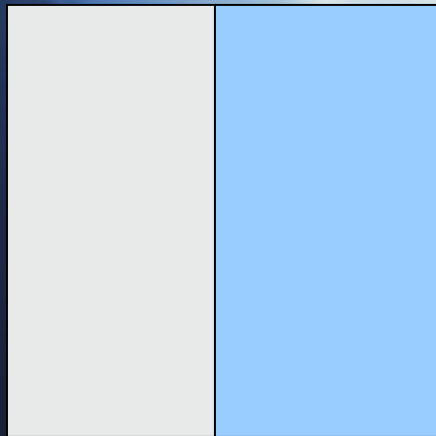
$$\frac{1}{2}$$

Denominator

How many there are in the whole object

numerator

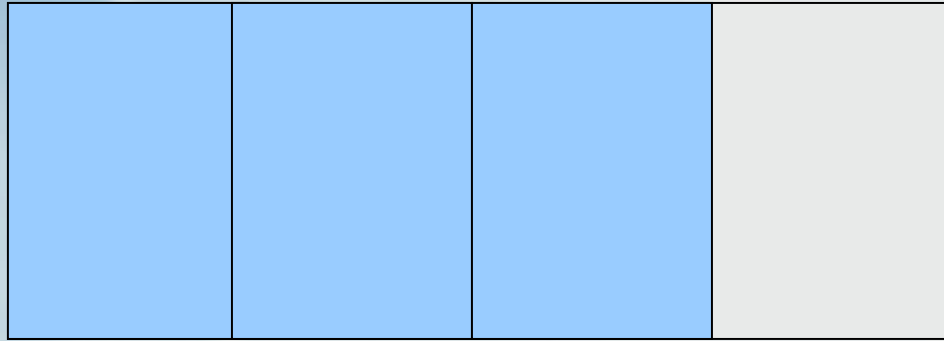
The numerator says how many parts
in the fraction



→ 1 part is
coloured in

$$\frac{1}{2}$$

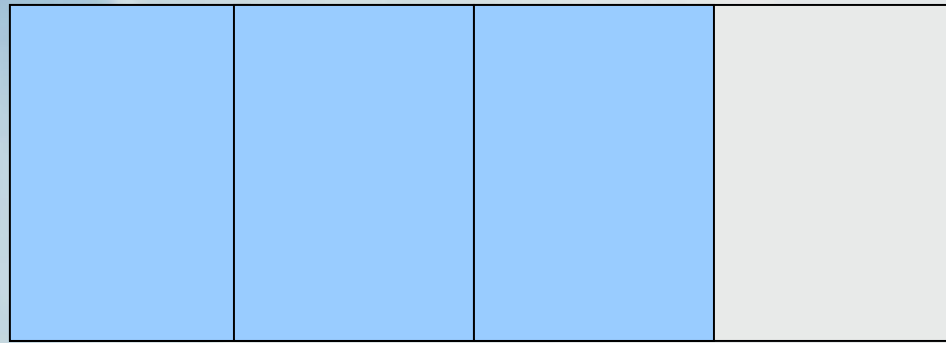
How many equal parts are coloured in in this shape?



What is the numerator of this fraction?

$$\frac{\boxed{}}{4}$$

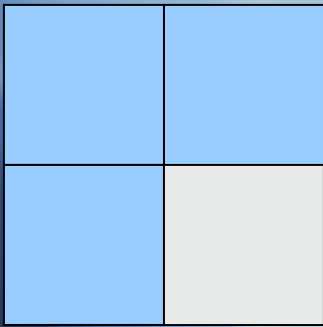
How many equal parts are coloured in in this shape?



What is the numerator of this fraction?

$$\frac{3}{4}$$

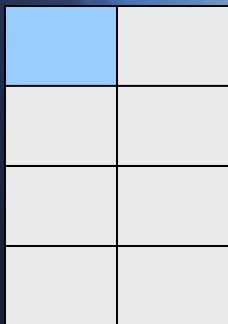
Find the numerator for these fractions



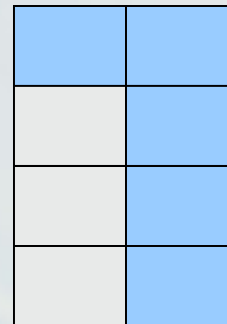
$$\frac{\boxed{}}{4}$$



$$\frac{\boxed{}}{3}$$

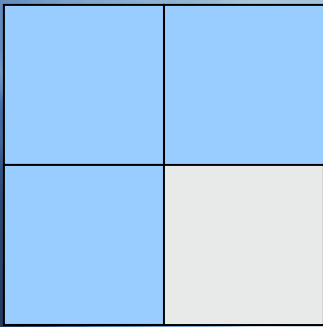


$$\frac{\boxed{}}{8}$$



$$\frac{\boxed{}}{8}$$

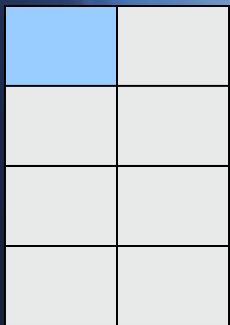
Find the numerator for these fractions



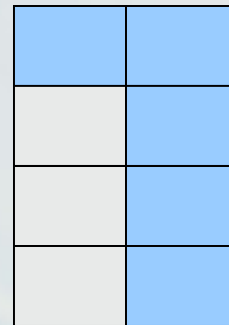
$$\frac{\boxed{3}}{4}$$



$$\frac{\boxed{2}}{3}$$



$$\frac{\boxed{1}}{8}$$



$$\frac{\boxed{5}}{8}$$

Draw what you think these fractions look like.

$$\frac{2}{\quad}$$

$$\frac{1}{\quad}$$

$$\frac{3}{\quad}$$

$$\frac{9}{\quad}$$

6

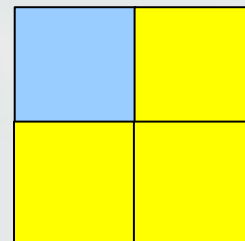
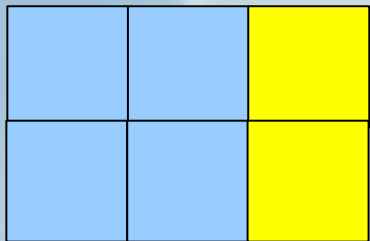
3

4

10

Draw what you think these fractions look like.

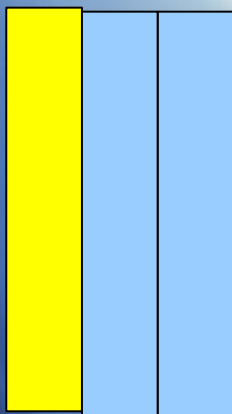
2



3

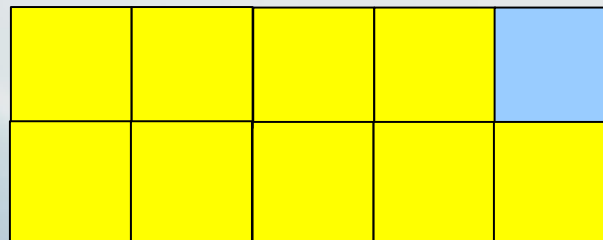
6

1



4

9



3

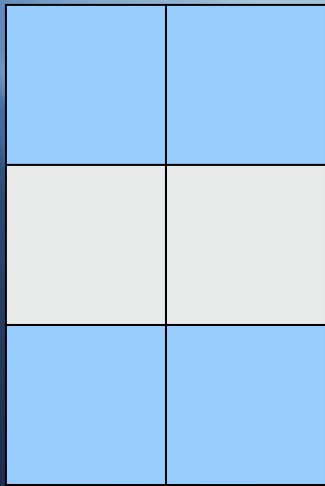
10

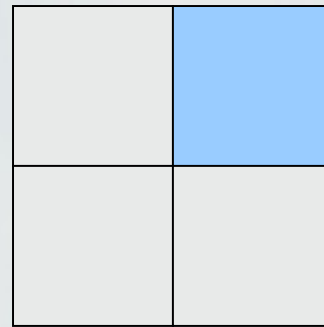
So, the number on the top of a fraction tells us...

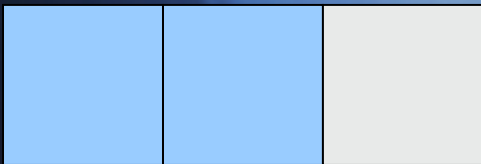
numerator $\frac{1}{2}$

How many we are counting or how many we have shaded.

Find the fraction of these shapes

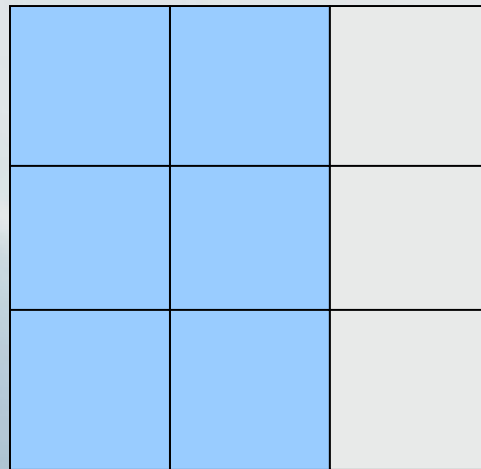






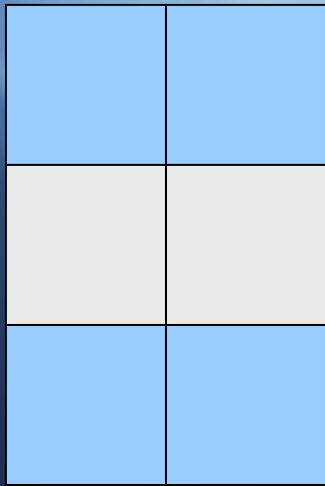
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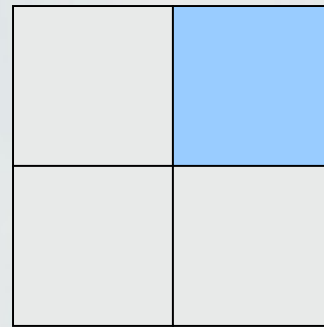


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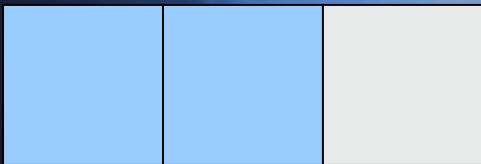
Find the fraction of these shapes



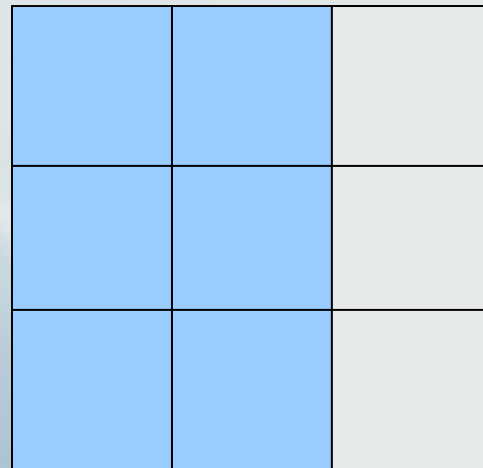
$$\frac{4}{6}$$



$$\frac{1}{4}$$



$$\frac{2}{3}$$



$$\frac{6}{9}$$